

EVIDENCE BASED STATEMENT

DOMAIN **8**, Statement **8**

TOPIC: “TOPICAL CREAMS EVIDENCE-BASED USE IN CHRONIC VENOUS DISEASE MANAGEMENT”

SEARCH TERMS & SOURCES

(topical) AND (vein)

PubMed, Embase and Cochrane Library

INCLUSION CRITERIA

Indexed Journal, English Language, lower limb
Reviews, <10 y.

SEARCH RESULT BEFORE - AFTER SELECTION

65 (before) - 8 (after selection)

PERTINENT LITERATURE NOT IDENTIFIED BY THE LITERATURE SEARCH

1. Shaydakov ME, Ting W, Sadek M, et al. Review of the current evidence for topical treatment for venous leg ulcers. J Vasc Surg Venous Lymphat Disord. 2022;10(1):241-247.-15.
- 2, O'Meara S, Richardson R, Lipsky BA. Topical and systemic antimicrobial therapy for venous leg ulcers. JAMA. 2014; 25;311(24):2534-5.
3. Nolan KA, Marmur ES. Over-the-counter topical skincare products: a review of the literature. J Drugs Dermatol. 2012 Feb;11(2):220-4.

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IDENTIFIED REFERENCES

(from the most recent down)

1. Woo K, Dowsett C, Costa B, Ebohon S, Woodmansey EJ, Malone M. Efficacy of topical cadexomer iodine treatment in chronic wounds: Systematic review and meta-analysis of comparative clinical trials. *Int Wound J*. 2021 Oct;18(5):586-597. 1: Martinez-Zapata MJ, Vernooij RW, Simancas-Racines D, Uriona Tuma SM, Stein
2. AT, Moreno Carriles RMM, Vargas E, Bonfill Cosp X. Phlebotonics for venous insufficiency. *Cochrane Database Syst Rev*. 2020 Nov 3;11(11):CD003229.
3. Di Nisio M, Wichers IM, Middeldorp S. Treatment for superficial thrombophlebitis of the leg. *Cochrane Database Syst Rev*. 2018 Feb 25;2(2):CD004982.
4. Alavi A, Sibbald RG, Phillips TJ, et al. What's new: Management of venous leg ulcers: Treating venous leg ulcers. *J Am Acad Dermatol*. 2016 Apr;74(4):643-64; quiz 665-6.
5. Watson RR, Schönlaui F. Nutraceutical and antioxidant effects of delphinidin-rich maqui berry extract Delphinol®: a review. *Minerva Cardioangiol*. 2015 Apr;63(2 Suppl 1):1-12. PMID: 25892567.
6. Scott G, Mahdi AJ, Alikhan R. Superficial vein thrombosis: a current approach to management. *Br J Haematol*. 2015 Mar;168(5):639-45.
7. Zheng GH, Yang L, Chen HY, et al. Aloe vera for prevention and treatment of infusion phlebitis. *Cochrane Database Syst Rev*. 2014 Jun 4;2014(6):CD009162.
8. Gulati OP. Pycnogenol® in chronic venous insufficiency and related venous disorders. *Phytother Res*. 2014 Mar;28(3):348-62.

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TEXT FOR INCLUSION IN THE DOCUMENT

(300 words, not counting the references)

DOMAIN 8, Statement 8, TOPIC: “[TOPICAL CREAMS EVIDENCE-BASED USE IN CHRONIC VENOUS DISEASE MANAGEMENT](#)”

The market is populated by not properly validated topical products claiming venous and/or lymphatic effects despite the lack of specific evidence-based supporting literature.

[Nolan KA, Marmur ES. Over-the-counter topical skincare products: a review of the literature. J Drugs Dermatol. 2012 Feb;11(2):220-4].

The analysis of the topical products for wound care is reported in the ulcer section of this document.

A 2014 review supported the use of topical maritime pine bark extract for venous insufficiency symptoms, yet in the 2020 Cochrane revision no topical products met the criteria for inclusion in the 2020 Cochrane on the topic.

[Martinez-Zapata MJ, Vernooij RW, Simancas-Racines D, et al. Phlebotonics for venous insufficiency. Cochrane Database Syst Rev. 2020 Nov 3;11(11):CD003229].

Another 2020 Cochrane revision highlighted the absence of validated topicals for the management of superficial venous thrombosis induced inflammation.

[Di Nisio M, Wichers IM, Middeldorp S. Treatment for superficial thrombophlebitis of the leg. Cochrane Database Syst Rev. 2018 Feb 25;2(2):CD004982].

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STATEMENT FOR PUBLIC EVIDENCE-BASED AWARENESS

DOMAIN 8, Statement 8

“Topical cream can bring an empirical benefit in venous and/or lymphatic symptoms/signs management, but the scientific literature is lacking strong evidence. An expert physician indication to the right product is mandatory.”

4 SELECTED REFERENCES

1. Nolan KA, Marmur ES. Over-the-counter topical skincare products: a review of the literature. *J Drugs Dermatol.* 2012 Feb;11(2):220-4
2. *Martinez-Zapata MJ, Vernooij RW, Simancas-Racines D, et al. Phlebotonics for venous insufficiency. *Cochrane Database Syst Rev.* 2020 Nov 3;11(11):CD003229
3. Di Nisio M, Wichers IM, Middeldorp S. Treatment for superficial thrombophlebitis of the leg. *Cochrane Database Syst Rev.* 2018 Feb 25;2(2):CD004982

identified LITERATURE BIAS

Lack of properly designed studies

SUGGESTED NEXT LINES OF RESEARCH

Randomized comparative trial on homogenous population, assessing objective outcomes.